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December 30, 2003

ATTORNEY DOCKET NO.: INTEL1190 (P18024)

ATTN: MAIL STOP PATENT APPLICATION

Commissioner for Patents

P.O. Box 1450

Alexandria, VA 22313-1450

Sir:

Transmitted herewith for filing is the new Utility patent application of:

APPLICANTS: TAE-WOONG KOO; ANDREW BERLIN; SELENA CHAN; XING
SU; NARAYANAN SUNDARARAJAN and LEI SUN

TITLE: NUCLEIC ACID SEQUENCING BY RAMAN MONITORING OF
UPTAKE OF NUCLEOTIDES DURING MOLECULAR
REPLICATION

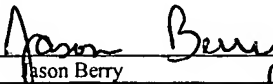
Enclosed are the following papers, including all those required to receive a filing date under 37
CFR § 1.53(b):

Number of Pages

Specification	49
Claims	5
Abstract	1
Declaration	7
Drawing(s) – [formal]	14

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I hereby certify under 37 CFR§ 1.10 that this correspondence is being
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Jason Berry

GRAY CARY WARE & FREIDENRICH LLP

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Enclosure(s):

- Application Data Sheet (4 pages)
- Check No. 551344 in the amount of \$1,288.00
- Return Receipt Postcard

Applicant(s) claim **LARGE ENTITY** status in the above-identified application.

The filing fee is calculated as follows:

	Number Filed		Number Extra		Rate			Fee	
					Large Entity	Small Entity		Large Entity	Small Entity
Total Claims	44-20	=	24	X	\$18	\$09	=	\$432.00	\$ 0.00
Independent Claims	4 -3	=	1	X	\$86	\$43	=	\$ 86.00	\$ 0.00
Multiple Dependent Claims Presented: ___ Yes <u>X</u> No					\$280	\$140		\$ 0.00	\$ 0.00
					BASIC FEE			\$770.00	\$385.00
					TOTAL FEE			\$1288.00	\$ 0.00

Check No. 551344 is enclosed as payment of the **FILING FEE**. The Commissioner is hereby authorized to apply any other required fees or any credits to Deposit Account No. 50-1355, referencing the attorney docket number shown above. A copy of this Transmittal Sheet is enclosed.

GRAY CARY WARE & FREIDENRICH LLP

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If this application is found to be INCOMPLETE, or if a telephone conference would otherwise be helpful, please call the undersigned at (858) 677-1456.

A duplicate copy of this letter is enclosed. Kindly acknowledge receipt of this application by returning the enclosed postcard.

All future correspondence should be addressed to:

Lisa A. Haile, J.D., Ph.D.

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Respectfully submitted,

GRAY CARY WARE & FREIDENRICH LLP



Lisa A. Haile, J.D., Ph.D.

Registration No. 38,347

December 30, 2003

Date

LAH/EJV/kdl

Enclosures